OWNER: Virginia Wildlife Clubs, Inc. VDMR: 2042

Lake of the Woods, Wakefield Div. Well #5 WWCR: 72

DRILLER: Sydnor Hydrodynamics, Inc.

TOTAL DEPTH: 342'

COUNTY: Orange (Locust Grove)

## GEOLOGIC LOG

Depth	in	feet
F		

260-275

Depin in feet		
0-15	_	medium-gray, fine-grained; ericite, chlorite, quartz, and
15-30	tt.	
30-45	11	
45-65	11	with trace of bornite
65-80		dium-gray, fine-grained; chlorite, tz, feldspar, and minor pyrite
80 - 95	11	
95-110	tt	
110-125	Sericite schist - ligh calcareous, qu	t-tan to white, weathered; very nartzose
125-140		yllite — light greenish-gray, is; vein calcite and pyrite
140-155		chist — light-greenish-gray schist arble, with white vein calcite
155-170	tt	with considerable weathered material and vein quartz
170-185	11	fl
185-200	_	enish-gray, talcose; calcareous; ite, calcite, quartz, feldspar,
200-215	11	
215-230	11	
230-245	11	
245-260	11	very calcareous
2/2 2==		

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods

	(Wakefield Division Well #5)
275-290	Chlorite schist — greenish-gray, talcose; calcareous; chlorite, sericite, calcite, quartz, feldspar, and pyrite, very calcareous, with some quartzite
290-305	Chlorite schist — light gray-green, calcareous; quartz, plagioclase, chlorite, sericite, and a few grains of pyrite
305-320	
320-335	п
335-342	No sample

## GEOLOGIC SUMMARY

ROCK UNIT

AGE

Evington Group

Early Paleozoic

#2042

Virginia Division of Mineral Resources T. M. Gathright, Geologist January 17, 1968

## COMMONWEALTH OF VIRGINIA

WWCR: 72 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

C lottesville, VA 22903

B 3667

DIVISION OF MINERAL RESOURCES

WELL COMPLETION

JAMES L. CALVER, COMMISSIONER

WATER

OFFICE ADDRESS:

REPORT

VDMR: 2042

McCormick Road Charlottesville, Virginia

OWNER: Virginia Wildlife Clubs, Inc. Mailing Address: Box 631, Springfield, Virginia TENANT: Lake of the Woods, Wakefield Division Molling Address: Chancellor, Virginia Well #5 DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Box 1476, Richmond, Virginia 50 sifeet west (direction) of WELL LOCATION County Orange Approx. feet north (direction) of Antietam \_\_\_\_and\_250 Pine Drive (GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.) DATE STARTED: October 4, 1967 DATE COMPLETED: October 11, 1967 TYPE OF DRILL RIG USED: Rotary No. 65 TOTAL DEPTH 342 WATER LEVEL: Stands 14 feet below surface OR has NATURAL flow of\_\_\_\_\_gallons per minute. HOLE SIZE: 9-7/8 inches from 0 to 24 feet YIELD TEST: Method Submersible 7-5/8 inches from 24 to 100 feet Drawdown \_\_\_\_\_ feet Rate 26-1/2 gal. per min. 5 inches from 100 to 342 feet Duration 8 hrs., min. SCREEN SIZE:\_\_\_\_inches from \_\_\_\_\_to \_\_\_\_feet WATER ZONES: from 80 to 81 feet \_\_\_\_\_inches from \_\_\_\_\_to \_\_\_\_feet 106 107 from 110 to 127 feet inches from to feet from 214 to 215 feet CASE SIZE: 5 inches from 0 + 2to 100 feet \_\_\_\_inches from\_\_\_\_to\_\_\_\_feet WATER: Color\_\_\_\_\_Taste\_\_\_\_ Odor\_\_\_\_\_\_\_or \_\_\_\_inches from \_\_\_\_to\_\_\_feet GROUTING: Method \_\_\_\_Pressure WELL TO SUPPLY: (check one) Home \_\_\_\_\_ Material and water Depth 100 feet Farm \_\_\_\_\_ Town \_\_\_\_ School \_\_ Industry\_\_\_\_Other\_Subdivision PUMP: Туре \_\_\_\_\_ Capacity\_\_\_\_\_gal. per min WATER ANALYSIS AVAILABLE: Yes \_X No \_\_\_\_ Yes\_X No\_\_\_ Depth of intake \_\_\_\_\_ DRILL CUTTINGS SAVED: (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT, SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.) ARKS:

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: October 17, 1967

:VDMR: 2042

O O	ТО	(graver, clay, etc., naralless, color,	DEPTH (feet)  TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	
0	The second second second	Home Source Provident	(water, caving, shot, screen, sample, etc.)	
	1_sto	willing Address Chancelios qoTigi	noisivin bision	EVANT: Lake of the Woods, Walest
1	3	Broken up rock Clay	Well #5	
3	3			THER Sydnor Hydrodynamics.
5 (10)	80	Solid gray granite		ELL LOCATION County Orange
80	81	Weathered rock		water
81	106	Solid gray granite	05	Pine Drive
106 107	107 110	Weathered rock	MHES FROM 1	WE DIRECTION AND DISTANCE RECTION OF
110	127	Solid gray granite Weathered granite		OUNTY EIGHWAY OR OTHER MAP.
127	156	Weathered granite Solid gray granite		PELAWater Detailed
156	185	Weathered granite	arv No. 65	THE OF DRILL RIG USED42
185	214	Solid gray granite		310 777 22770 10 3 11
214	215	Water entering 10 100 100	volsd is:	ATER LEVEL! Stands 14_
215	342	Solid gray granite	3	A S OT A M T a D d
				A 10 8 1 8 2 1
A. Teel		110 L E \$12 E 9=278   test from _		ELD TEST Wethod Submersible.
1901 00	2	7-5/8 mones from _2	1 - 6	nwobwo (1
19:1:420	o+ 00.	5 me () ssden(5	n!	Rate <u>26-1/2</u> gui per d
f o e7	01	SCREEN SIZE relies from	n:	n, and8noliend
iae l			103 18.	106
1991		(sches from	127test	011_mon
391_00	5015 <u>+</u>	CASE SIZE _ 5inches from 0.	215 fe f	from10
1991		1 or 1 as with the comment		electtolo0 R3T/
991			36	Odor Team
		GROUTING. Metcod Pressur		ELL TO SUPPLY! (chack one) Home .
1091	.00L	Moteria and water Dep		FarmSchool
		PUM P S MUS	ion	Rivibdus reammateuan
company	100		09.3	TER ANALYSIS AVAILABLE TO
9.91			Market Market	HL CUTTINGS SAVED: Yes
1415	of . 0399un.			NAL CHTTINGS SHOULD BE COLLECTED FICE: EXPRESS COLLECT, SAMPLE 2463
				288
	Silvan Turk			
		(Use additional forms		

## INTERVAL SHEET

WWCR: 72

Page 1 of 1 VDMR Well No: 2042

Date rec'd: 11/16/67 Sample Interval: from 0' to: 335'

PROP: Va. Wildlife Clubs, Inc. Number of samples: 22

(Lake of Woods, Wakefield Division Well #5)

COMP: Sydnor Hydrodynamics Total Depth: 342'

COUNTY: Orange (Locust Grove) Oil or Gas: Water:X Exploratory:

From-To	From-To	From-To	From-To
0 - 15	-	_	
15 - 30	_	_	
30 - 45		-	
45 - 65	_	_	_
65 - 80*	_	=	_
80 - 95	-	-	-
95 - 110	-	-	-
110 - 125	-	-	-
125 - 140*	-	-	- 1
140 - 155	-	-	· -
155 - 170	_	,	<u> </u>
170 - 185*	_	_	
185 - 200	_	_	
200 - 215	_	_	
215 - 230*	_	_	
213 230.			
230 - 245	<u>-</u>	-	_
245 - 260	-		. =
260 - 275	-	_	_
275 - 290	<u>-</u>		-
290 - 305	_	_	~
*			
305 - 320*		-	-
320 - 335	_	_	-
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<sup>\*</sup> unwashed samples only